

**Notice of Allowability**

Application No.

10/664,507

Examiner

Filip Zec

Applicant(s)

MOTUSH ET AL.

Art Unit

3744

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 7/12/2005.
2. ☒ The allowed claim(s) is/are 1,4-10,13,16-18,20,22 and 23.
3. ☒ The drawings filed on 12 October 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. Authorization for this examiner's amendment was given in a telephone interview with B. Negrin on 7/21/2005. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

- In claim 1, line 15, replace "said gauge" with - - a pressure gauge - -
- In claim 1, line 17, replace "a pressure gauge" with - - said pressure gauge - -

### REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance: the prior art does not anticipate nor render obvious the combination set forth in the independent claims, and specifically does not show a device for servicing an automobile air conditioner, comprising a pressurized container of at least one chemical addable to the air conditioner, said container having a first valve; an actuator coupled to said first valve that selectively opens said first valve; a hose having a first end and a second end, said first end connected to said actuator and said second end coupleable to a service port of the air conditioner, said hose further comprising a first section of hose and a second section of hose; a T-connector disposed in said hose having an inlet in communication with said first end of said hose, a first outlet, a second outlet in communication with said second end of said hose; and a check valve, said first section of hose

Art Unit: 3744

being connected between said actuator and said inlet and said second section of hose being connected between said second outlet and a coupler connectable to the automobile air conditioner service port, said T-connector further including a first stem rotatably disposed in one end of said main body, said second outlet including a second stem rotatably disposed in an opposite end of said main body, said main body and a pressure gauge being rotatable with respect to said hose, said pressure gauge connected to said first outlet of said T-connector and in communication with said second end of said hose, wherein when said second end is coupled to an automobile air conditioner service port and said actuator is not activated, said pressure gauge measures a pressure of the air conditioner, and when said second end is coupled to an automobile air conditioner service port and said actuator is activated; said at least one chemical is released from said pressurized container and into the air conditioner via said hose and the service port, wherein said check valve is biased closed to enable flow in from said second outlet to said first outlet to enable communication between the service port and said gauge, and wherein said actuator is activated, said pressurized chemical released from said container overcomes the bias of said check valve and exits said T-connector via said second outlet; wherein the actuator includes a housing press-fittable onto a shoulder of said pressurized container and a button attached to said housing in a cantilever manner, said button including a fluid flow path in communication with said valve stem and wherein a user switches from measuring existing refrigerant in the automobile air conditioner to adding additional refrigerant by depressing a button and said at least one stem including a first stem rotatably disposed in and projecting from said main body in said first passage, and a second stem rotatably disposed in and projecting from

Art Unit: 3744

said main body in a third passage, wherein when said main body is rotated relative to said stems, said pressure gauge turns with said main body.

3. U.S. Patent 6,609,385 to Ferris et al. teaches a refrigerant charging/pressure testing hose assembly, U.S. Patent 5,358,009 to Cambell teaches a liquid storage vessel venting system and U.S. Patent 4,338,793 to O'Hearn, Jr. teaches an adapter for refrigeration system access valve, however they do not teach a check valve biased closed to enable flow in from a second outlet to a first outlet to enable communication between the service port and a gauge, and wherein an actuator is activated, a pressurized chemical released from a container overcomes the bias of said check valve and exits said T-connector via said second outlet, wherein the actuator includes a housing press-fittable onto a shoulder of said pressurized container and a button attached to said housing in a cantilever manner, said button including a fluid flow path in communication with said valve stem and wherein a user switches from measuring existing refrigerant in the automobile air conditioner to adding additional refrigerant by depressing a button and said at least one stem including a first stem rotatably disposed in and projecting from said main body in said first passage, and a second stem rotatably disposed in and projecting from said main body in a third passage, wherein when said main body is rotated relative to said stems, said pressure gauge turns with said main body.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 3744

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Filip Zec whose telephone number is (571) 272-4815. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler can be reached on 571-272-4834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Filip Zec  
Examiner  
Art Unit 3744

  
**CHERYL TYLER**  
**SUPERVISORY PATENT EXAMINER**

FZ